

The American Statistician

CONTENTS OF VOLUME 59

(Numbers 1-4)

Special Section: Preparing Graduate Students to Teach Statistics	1	Reviews of Books and Teaching Materials	113, 203, 274, 349
General Articles	19, 121, 207, 282	Letters to the Editor	116, 279, 353
History Corner	57, 162, 223, 308	Corrections	119, 280
Statistical Practice	72, 166, 301	Teacher's Corner	180, 240, 320
Special Section: Statistical Literacy	73	Editor's Report	205
Statistical Computing Software Reviews	88, 183, 273, 334	Editorial Collaborators	355
		Index to Volume 59	357

INDEX TO VOLUME 59 (2005)

ARTICLES (BY AUTHOR)

- Albert, James H., Editor's Report, 205; 281
- Annis, David H., "Rethinking the Paper Helicopter: Combining Statistical and Engineering Knowledge," 320
- Belden, Susan, "Discussion: Moving Beyond the St. Petersburg Paradox to Understand Growth Stock Valuation," 233
- Berry, Donald A. (*see* Inoue, Lurdes Y. T.)
- Birch, Jeffrey B., and Morgan, J. P., "TA Training at Virginia Tech: A Stepwise Progression," 14
- Bull, Brian, "Exemplar Sampling: Nonrandom Methods of Selecting a Sample Which Characterizes a Finite Multivariate Population," 166
- Burch, Brent D. (*see* Harris, Ian R.)
- Carlton, Matthew A., and Stansfield, William, D., "Making Babies by the Flip of a Coin," 180
- Christensen, Ronald, "Testing Fisher, Neyman, Pearson, and Bayes," 121
- Cochran, James J., "Can You *Really* Learn Basic Probability by Playing a Sports Board Game?" 266
- Corredor, Javier (*see* Larreamendy-Joerns, Jorge)
- Danaher, Peter J., and Hardie, Bruce G. S., "Bacon With Your Eggs? Applications of a New Bivariate Beta-Binomial Distribution," 282
- Davi, Angelique, Houghton, Dominique, Nasr, Nada, Shah, Gaurav, Skalaletsky, Maria, and Spack, Ruth, "A Review of Two Text-Mining Packages: SAS TextMining and WordStat," 89
- David, Herbert A., "Tables Related to the Normal Distribution: A Short History," 309
- Duchateau, Luc, and Janssen, Paul, "Understanding Heterogeneity in Generalized Mixed and Frailty Models," 143
- Duckworth, William M. (*see* Froelich, Amy G.)
- Durst, Mark (*see* Verrill, Steve)
- Emrich, Katharina (*see* Piepho, Hans-Peter)
- Ford, E. B., "A Reminiscence of R. A. Fisher" (with Introduction by Joan Fisher Box), 312
- Frey, Jesse, "A Ranking Method Based on Minimizing the Number of In-Sample Errors," 207
- Friedman, Lynn, and Wall, Melanie, "Graphical Views of Suppression and Multicollinearity in Multiple Linear Regression," 127
- Froelich, Amy G., Duckworth, William M., and Stephenson, W. Robert, "Training Statistics Teachers at Iowa State University," 8
- Gelman, Andrew, "A Course on Teaching Statistics at the University Level," 4
- Ginebra, Josep (*see* Girón, Javier)
- Girón, Javier, Ginebra, Josep, and Riba, Alex, "Bayesian Analysis of a Multinomial Sequence and Homogeneity of Literary Style," 19
- Gómez, Guadalupe (*see* Langohr, Klaus)
- Gönen, Mithat, Johnson, Wesley O., Lu, Yonggang, and Westfall, Peter H., "The Bayesian Two-Sample *t* Test," 252
- Hardie, Bruce G. S. (*see* Danaher, Peter J.)
- Harkness, W. L., and Rosenberger, J. L., "Training Graduate Students at Penn State University in Teaching Statistics," 11
- Harris, Ian R., and Burch, Brent D., "Measuring Relative Importance of Sources of Variation Without Using Variance," 217
- Houghton, Dominique (*see* Davi, Angelique)
- Hilbe, Joseph M., "A Review of Systat 11," 104; "Review of SigmaPlot 9.0," 111; "A Review of SPSS, Part 3: Version 13," 185; "SigmaStat 3.1: A Second Look," 187; "A Review of Stata 9.0," 335
- Hilbe, Joseph M., Section Editor's Notes, 88; 183; 273; 334
- Hudson, Suzanne (*see* Vos, Paul W.)
- Hunter, David R., "Teaching Computing in Statistical Theory Courses," 327
- Iglewicz, Boris (*see* Snapinn, Steven M.)
- Inoue, Lurdes Y. T., Berry, Donald A., and Parmigiani, Giovanni, "Relationship Between Bayesian and Frequentist Sample Size Determination," 79
- Janssen, Paul (*see* Duchateau, Luc)
- Jiang, Qi (*see* Snapinn, Steven M.)
- Johnson, Wesley O. (*see* Gönen, Mithat)
- Kagan, Abram, and Shepp, Lawrence A., "A Sufficiency Paradox: An Insufficient Statistic Preserving the Fisher Information," 54
- Koschat, Martin A., "A Case for Simple Tables," 31
- Langohr, Klaus, and Gómez, Guadalupe, "Likelihood Maximization Using Web-Based Optimization Tools: A Short Tutorial," 192
- Larreamendy-Joerns, Jorge, Leinhardt, Gaea, and Corredor, Javier, "Six Online Statistics Courses: Examination and Review," 240
- Leinhardt, Gaea (*see* Larreamendy-Joerns, Jorge)
- Lu, Yonggang (*see* Gönen, Mithat)
- Ludbrook, John, "R. A. Fisher's Life and Death in Australia, 1959-1962," 164
- McGrath, Richard N., and Yeh, Arthur B., "A Quick, Compact, Two-Sample Dispersion Test: Count Five," 47
- McIntyre, G. A., "A Method for Unbiased Selective Sampling, Using Ranked Sets," 230
- Moerbeek, Mirjam, "Randomization of Clusters Versus Randomization of Persons Within Clusters: Which is Preferable," 72; "Randomization of Clusters Versus Randomization of Persons Within Clusters: Which is Preferable?" 173
- Moore, David S., "Preparing Graduate Students to Teach Statistics: Introduction," 1
- Morgan, J. P. (*see* Birch, Jeffrey B.)
- Nasr, Nada (*see* Davi, Angelique)

- Niermann, Stefan, "Optimizing the Ordering of Tables With Evolutionary Computation," 41
- Parmigiani, Giovanni (see Inoue, Lurdes Y. T.)
- Piepho, Hans-Peter, and Emrich, Katharina, "Simultaneous Confidence Intervals for Two Estimable Functions and Their Ratio Under a Linear Model," 292
- Reiczigel, Jenő, Zakariás, Ildikó, and Rózsa, Lajos, "A Bootstrap Test of Stochastic Equality of Two Populations," 156
- Riba, Alex (see Girón, Javier)
- Richards, Donald St. P. (see Székely, Gabor J.)
- Rosenbaum, Paul R., "Heterogeneity and Causality: Unit Heterogeneity and Design Sensitivity in Observational Studies," 147
- Rosenberger, J. L. (see Harkness, W. L.)
- Rózsa, Lajos (see Reiczigel, Jenő)
- Scheuren, Fritz, Introduction to History Corner, 57; 162; 223; 308; "Multiple Imputation: How it Began and Continues," 315
- Shah, Gaurav (see Davi, Angelique)
- Shepp, Lawrence A. (see Kagan, Abram)
- Skaletsky, Maria (see Davi, Angelique)
- Snapinn, Steven M., Jiang, Qi, and Iglewicz, Boris, "Illustrating the Impact of a Time-Varying Covariate With an Extended Kaplan-Meier Estimator," 301
- Snyder, Carl, "The Problem of Prosperity," 62
- Solow, Andrew R., and Smith, Woolcott, "How Surprising is a New Record?" 153
- Spack, Ruth (see Davi, Angelique)
- Spence, Ian, and Wainer, Howard, "William Playfair and His Graphical Inventions: An Excerpt From the Introduction to the Republication of His *Atlas and Statistical Breviary*," 224
- Stansfield, William D. (see Carlton, Matthew A.)
- Stephenson, W. Robert (see Froelich, Amy G.)
- Székely, Gabor J., and Richards, Donald St. P., "Response: Remain Steadfast With the St. Petersburg Paradox to Quantify Irrational Exuberance," 235
- Terpstra, Jeff T., "Some Illustrative Classroom Examples Regarding Sums of Discrete Random Variables With Finite Support," 258
- Verill, Steve, and Durst, Mark, "The Decline and Fall of Type II Error Rates," 287
- Vos, Paul W., and Hudson, Suzanne, "Evaluation Criteria for Discrete Confidence Intervals: Beyond Coverage and Length," 137
- Wainer, Howard (see Spence, Ian)
- Walker, Helen M., "The Role of the American Statistical Association," 68
- Wall, Melanie (see Friedman, Lynn)
- Westfall, Peter H. (see Gönen, Mithat)
- Woolcott, Smith (see Solow, Andrew R.)
- Yeh, Arthur B. (see McGrath, Richard N.)
- Young, Allyn A., "National Statistics in War and Peace," 58
- Zakariás, Ildikó (see Reiczigel, Jenő)

SOFTWARE REVIEWED (BY PRODUCT NAME)

- SAS TextMiner, Davi, Angelique, Haughton, Dominique, Nasr, Nada, Shah, Gaurav, Skaletsky, Maria, and Spack, Ruth, 89
- SigmaPlot 9.0, Hilbe, Joseph M., 111
- SigmaStat 3.1, Hilbe, Joseph M., 187
- SPSS, Version 13, Hilbe, Joseph M., 185
- Stata 9.0, Hilbe, Joseph M., 335
- Systat 11, Hilbe, Joseph M., 104
- WordStat, Davi, Angelique, Haughton, Dominique, Nasr, Nada, Shah, Gaurav, Skaletsky, Maria, and Spack, Ruth, 89

BOOKS REVIEWED (BY AUTHOR OR EDITOR)

- Aczel, Amir D., *Chance: A Guide to Gambling, Love, the Stock Market, & Just About Everything Else*, 274
- Best, Joel, *More Damned Lies and Statistics: How Numbers Confuse Public Issues*, 274
- Carmona, René A., *Statistical Analysis of Financial Data in S-Plus*, 351
- Cleves, Mario A., Gould, William W., and Gutierrez, Roberto G., *An Introduction to Survival Analysis Using Stata* (rev), 113
- Dunnington, G. Waldo, *Gauss: Titan of Science*, 349
- Evans, Michael J., and Rosenthal, Jeffrey S., *Probability and Statistics: The Science of Uncertainty*, 276
- Faraway, Julian J., *Linear Models with R*, 276
- Freund, Rudolf, Littell, Ramon, and Creighton, Lee, *Regression Using JMP*, 114
- Gelman, Andrew, and Nolan, Deborah, *Teaching Statistics: A Bag of Tricks*, 275
- Gotelli, Nicholas J., and Ellison, Aaron M., *A Primer of Ecological Statistics*, 350
- Green, Samuel B., and Salkind, Neil J., *Using SPSS for Windows and Macintosh: Analyzing and Understanding Data* (4th ed.), 113
- Hale, Margie, *Essentials of Mathematics: Introduction to Theory, Proof, and the Professional Culture*, 114
- Hayes, David F., and Shubin, Tatiana (eds.), *Mathematical Adventures for Students and Amateurs*, 352
- Heiberger, Richard M., and Holland, Burt, *Statistical Analysis and Data Display: An Intermediate Course with Examples in S-Plus, R, and SAS*, 275
- Lafler, Kirk Paul, *PROC SQL: Beyond the Basics Using SAS*, 350
- Leech, Nancy L., Barrett, Karen C., and Morgan, George A., *SPSS for Intermediate Statistics: Use and Interpretation* (2nd ed.), 352
- Long, J. Scott, and Freese, Jeremy, *Regression Models for Categorical Dependent Variables Using Stata* (rev.), 114
- Miller, Jane E., *The Chicago Guide to Writing About Numbers*, 274
- Morgan, George A., Leech, Nancy L., Gloeckner, Gene W., and Barrett, Karen C., *SPSS for Introductory Statistics: Use and Interpretation* (2nd ed.), 352
- Norušis, Marija J., *SPSS 12.0 Statistical Procedures Companion*, 114
- Porter, Theodore M., *Karl Pearson: The Scientific Life in a Statistical Age*, 349
- Puente, Carlos E., *Treasures Inside the Bell: Hidden Order in Chance*, 114
- Rabe-Hesketh, Sophia, and Everitt, Brian, *A Handbook of Statistical Analysis Using Stata* (3rd ed.), 114
- Ryan, Barbara, Joiner, Brian, and Cryer, Jonathan, *MINITAB Handbook* (5th ed., Updated for Release 14), 114
- Schwarz, Alan, *The Numbers Game: Baseball's Lifelong Fascination with Statistics*, 203
- Sellers, Gene, and Harbison, Mark, *First Course in Statistics* (4th ed.), 352
- Snow, Joanne E., and Weller, Kirk, *Exploratory Examples for Real Analysis*, 115
- Wasserman, Larry, *All of Statistics: A Concise Course in Statistical Inference*, 203

